

Daily suspended sediment concentration simulation us River Basin, India

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Monthly pan-evaporation estimation in Indian central Himalayas using different heuristic approaches and climate based models. <i>Computers and Electronics in Agriculture</i> , 2017, 143, 302-313.	7.7	67
2	Modeling daily suspended sediment load using improved support vector machine model and genetic algorithm. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35693-35706.	5.3	22
3	Rainfall-runoff modeling in hilly watershed using heuristic approaches with gamma test. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	1.3	37
4	Daily Pan Evaporation Estimation Using Heuristic Methods with Gamma Test. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018, 144, .	1.0	45
5	Why and How Do We Study Sediment Transport? Focus on Coastal Zones and Ongoing Methods. <i>Water (Switzerland)</i> , 2018, 10, 390.	2.7	50
6	Estimation of monthly reference evapotranspiration using novel hybrid machine learning approaches. <i>Hydrological Sciences Journal</i> , 2019, 64, 1824-1842.	2.6	97
7	The viability of co-active fuzzy inference system model for monthly reference evapotranspiration estimation: case study of Uttarakhand State. <i>Hydrology Research</i> , 2019, 50, 1623-1644.	2.7	49
8	Evaluating the performance of four different heuristic approaches with Gamma test for daily suspended sediment concentration modeling. <i>Environmental Science and Pollution Research</i> , 2019, 26, 22670-22687.	5.3	48
9	Simulation of daily suspended sediment load using an improved model of support vector machine and genetic algorithms and particle swarm. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	29
10	Performance comparison between genetic programming and sediment rating curve for suspended sediment prediction. <i>African Journal of Science, Technology, Innovation and Development</i> , 2019, 11, 843-859.	1.6	5
11	Interdisciplinary application of numerical and machine-learning-based models to predict half-hourly suspended sediment concentrations during typhoons. <i>Journal of Hydrology</i> , 2019, 573, 661-675.	5.4	20
12	Reference evapotranspiration estimation and modeling of the Punjab Northern India using deep learning. <i>Computers and Electronics in Agriculture</i> , 2019, 156, 387-398.	7.7	156
13	Estimation of Daily Stageâ€“Discharge Relationship by Using Data-Driven Techniques of a Perennial River, India. <i>Sustainability</i> , 2020, 12, 7877.	3.2	28
14	Support vector regression optimized by meta-heuristic algorithms for daily streamflow prediction. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 1755-1773.	4.0	87
15	Application of newly developed ensemble machine learning models for daily suspended sediment load prediction and related uncertainty analysis. <i>Hydrological Sciences Journal</i> , 2020, 65, 2022-2042.	2.6	58
16	Meteorological drought prediction using heuristic approaches based on effective drought index: a case study in Uttarakhand. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	40
17	Pan Evaporation Estimation in Uttarakhand and Uttar Pradesh States, India: Validity of an Integrative Data Intelligence Model. <i>Atmosphere</i> , 2020, 11, 553.	2.3	29
18	Optimal design of groundwater monitoring networks using gamma test theory. <i>Hydrogeology Journal</i> , 2020, 28, 1389-1402.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Two decades on the artificial intelligence models advancement for modeling river sediment concentration: State-of-the-art. <i>Journal of Hydrology</i> , 2020, 588, 125011.	5.4	20
20	Suspended sediment yield modeling in Mahanadi River, India by multi-objective optimization hybridizing artificial intelligence algorithms. <i>International Journal of Sediment Research</i> , 2021, 36, 76-91.	3.5	29
21	Energy Dissipation in Rough Chute: Experimental Approach Versus Artificial Intelligence Modeling. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021, , 227-249.	0.4	1
22	Hybrid artificial intelligence models for predicting daily runoff. , 2021, , 305-329.		3
23	Prediction of Multi-Scalar Standardized Precipitation Index by Using Artificial Intelligence and Regression Models. <i>Climate</i> , 2021, 9, 28.	2.8	24
24	Estimation of Daily Suspended Sediment Load Using a Novel Hybrid Support Vector Regression Model Incorporated with Observer-Teacher-Learner-Based Optimization Method. <i>Complexity</i> , 2021, 2021, 1-13.	1.6	16
25	A new approach for suspended sediment load calculation based on generated flow discharge considering climate change. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 2400-2413.	2.1	12
26	Artificial intelligence for suspended sediment load prediction: a review. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	39
27	Evaluation of stacking and blending ensemble learning methods for estimating daily reference evapotranspiration. <i>Computers and Electronics in Agriculture</i> , 2021, 184, 106039.	7.7	74
28	Prediction of suspended sediment concentration using hybrid SVM-WOA approaches. <i>Geocarto International</i> , 2022, 37, 5609-5635.	3.5	25
29	A hybrid statistical regression technical for prediction wastewater inflow. <i>Computers and Electronics in Agriculture</i> , 2021, 184, 106115.	7.7	5
30	Prediction of aeration efficiency of Parshall and Modified Venturi flumes: application of soft computing versus regression models. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 4068-4085.	2.1	16
31	Artificial intelligence models versus empirical equations for modeling monthly reference evapotranspiration. <i>Environmental Science and Pollution Research</i> , 2020, 27, 30001-30019.	5.3	83
32	Hybrid models for suspended sediment prediction: optimized random forest and multi-layer perceptron through genetic algorithm and stochastic gradient descent methods. <i>Neural Computing and Applications</i> , 2022, 34, 3033-3051.	5.6	13
33	DAILY SUSPENDED SEDIMENT LOAD ESTIMATION USING MULTIVARIATE HYDROLOGICAL DATA. <i>International Journal of GEOMATE</i> , 2020, 18, .	0.3	0
34	Seasonal Groundwater Table Depth Prediction Using Fuzzy Logic and Artificial Neural Network in Gangetic Plain, India. <i>Lecture Notes in Civil Engineering</i> , 2022, , 549-564.	0.4	0
35	Modeling of stage-discharge using back propagation ANN-, ANFIS-, and WANN-based computing techniques. <i>Theoretical and Applied Climatology</i> , 2022, 147, 867-889.	2.8	24
36	On the capability of preprocessing techniques for suspended sediment load prediction using artificial intelligence methods. <i>Hydrological Sciences Journal</i> , 2022, 67, 369-384.	2.6	2

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37	A physics-informed statistical learning framework for forecasting local suspended sediment concentrations in marine environment. <i>Water Research</i> , 2022, 218, 118518.	11.3	15
38	Estimating rainfall depth from satellite-based soil moisture data: A new algorithm by integrating SM2RAIN and the analytical net water flux models. <i>Journal of Hydrology</i> , 2022, 610, 127868.	5.4	6
39	A Review on the Application of Machine Learning Methods in Tropical Cyclone Forecasting. <i>Frontiers in Earth Science</i> , 0, 10, .	1.8	10
40	Capability and Robustness of Novel Hybridized Artificial Intelligence Technique for Sediment Yield Modeling in Godavari River, India. <i>Water (Switzerland)</i> , 2022, 14, 1917.	2.7	14
41	An Integrated Statistical-Machine Learning Approach for Runoff Prediction. <i>Sustainability</i> , 2022, 14, 8209.	3.2	46
42	Modeling of surface sediment concentration in the Doce River basin using satellite remote sensing. <i>Journal of Environmental Management</i> , 2022, 323, 116207.	7.8	3
43	Support vector regression model optimized with GWO versus GA algorithms: Estimating daily pan-evaporation. , 2023, , 357-373.		1
44	Past, Present, and Future of Using Neuro-Fuzzy Systems for Hydrological Modeling and Forecasting. <i>Hydrology</i> , 2023, 10, 36.	3.0	1
45	Application of Computational Intelligence Methods in Agricultural Soilâ€“Machine Interaction: A Review. <i>Agriculture (Switzerland)</i> , 2023, 13, 357.	3.1	3
46	Machine learning-based modeling of surface sediment concentration in Doce river basin. <i>Journal of Hydrology</i> , 2023, 619, 129320.	5.4	3
47	Three-phase data augmentation for the prediction of sediment flux in mountain basins during typhoon events. <i>Journal of Hydroinformatics</i> , 2023, 25, 1054-1071.	2.4	0
48	A Novel Smoothing-Based Deep Learning Time-Series Approach for Daily Suspended Sediment Load Prediction. <i>Water Resources Management</i> , 2023, 37, 4271-4292.	3.9	3
49	Ensemble and optimized hybrid algorithms through Runge Kutta optimizer for sewer sediment transport modeling using a data pre-processing approach. <i>International Journal of Sediment Research</i> , 2023, , .	3.5	0
50	Data-driven approaches for sustainable agri-food: coping with sustainability and interpretability. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 0, , .	4.9	0
51	Estimation of daily suspended sediment concentration in the Ca River Basin using a sediment rating curve, multiple regression, and long short-term memory model. <i>Journal of Water and Climate Change</i> , 2023, 14, 4356-4375.	2.9	0
52	Daily suspended sediment yield estimation using soft-computing algorithms for hilly watersheds in a data-scarce situation: a case study ofÂBino watershed, Uttarakhand. <i>Theoretical and Applied Climatology</i> , 2024, 155, 4023-4047.	2.8	0